

Notice of Allowability

Application No.

09/899,829

Examiner

Duyen M. Doan

Applicant(s)

STAHURA, PAUL

Art Unit

2152

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/5/2007.
2. ☒ The allowed claim(s) is/are 1-11, 32-39 and 73-83
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 9/5/2007 10/3/02
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 1/4/2008.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other

BUNJOB JAROECHONWANIT
SUPERVISORY PATENT EXAMINER

1/8/8

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mason Boswell (registration # 58,388) on Friday January 4, 2008.

The application has been amended as follows:

Specification:

On page 17 paragraph 36, line 16, insert storage between computer-readable and media.

On page 17 paragraph 36, lines 21-22, insert transmission between computer-readable and media.

Claims

1. (Currently Amended) A method in a computer system for providing dynamic network addresses for devices associated with users, the method comprising:
 - receiving a DNS request from a client to translate a domain name into a network address for communicating with a device[[:]], wherein the translating comprises:
 - determining a user identifier associated with the received domain name;
 - sending to a dynamic address system the determined user identifier, the dynamic address system having a mapping from user identifiers to network addresses, each user identifier associated with a user, wherein the dynamic address system periodically receives an update for each user that comprises a current network address of a device through which the user is accessible and wherein upon receiving the update, the dynamic address system associates the received current network address with the user identifier associated with the user;
 - receiving from the dynamic address system the current network address associated with the determined user identifier; and
 - sending the received current network address to the client in response to the request to translate the domain name, such that the client receives the current network address associated with the user by sending a single DNS request to the computer system.

32. (Currently Amended) A domain name system for providing dynamic addresses for resources, comprising:

- a process domain name component configured to receive a uniform resource identifier having a parameter that identifies a resource;
 - a dynamic address name table component configured to identify a dynamic address name associated with the parameter;
 - a dynamic address system communication component configured to send to a dynamic address system that is external to the domain name system the identified dynamic address name, the dynamic address system having a mapping from dynamic address names to network addresses wherein resources have a dynamic address name and have their network address registered with the dynamic address system and configured to receive from the dynamic address system a network address for the identified dynamic address name; [[and]]
 - a response component configured to send the received network address as the address for the resource identified by the parameter, such that a client receives the network address associated with the resource by sending a single DNS request to the computer system; and
- wherein said process domain name component, said dynamic address name table component, said dynamic address system communication component, and said response component are store on a memory.

73. (New) A computer-readable storage medium containing instructions for controlling a computer system to provide dynamic addresses for devices, by a method comprising:

- receiving a DNS request from a client to translate a domain name into a network address for communicating with a device, wherein the translating comprises:

 - determining a user identifier associated with the received domain name;

 - sending to a dynamic address system the determined user identifier, the dynamic address system having a mapping from user identifiers to network addresses, each user identifier associated with a user, wherein the dynamic address system periodically receives an update for each user that comprises a current network address of a device through which the user is accessible and wherein upon receiving the update, the dynamic address system associates the received current network address with the user identifier associated with the user;

 - receiving from the dynamic address system the current network address associated with the determined user identifier; and

 - sending the received current network address to the client in response to the request to translate the domain name, such that the client receives the current network address associated with the user by sending a single DNS request to the computer system.

74. (New) The computer-readable storage medium of claim 73 wherein the dynamic address system supports instant messaging and the user identifier identifies a user of the instant messaging system.

75. (New) The computer-readable storage medium of claim 73 wherein the device is connected to the Internet.

76. (New) The computer-readable storage medium of claim 75 wherein the device is a web server.

77. (New) The computer-readable storage medium of claim 73 wherein the network address is an IP address.

78. (New) The computer-readable storage medium of claim 73 wherein the computer system is a domain name server.

79. (New) The computer-readable storage medium of claim 78 wherein the domain name server is a top-level domain name server.

80. (New) The computer-readable storage medium of claim 78 wherein the domain name server is a second-level domain name server.

81. (New) The computer-readable storage medium of claim 73 wherein the sending of the received network address includes sending an indication not to cache the received network address.

82. (New) The computer-readable storage medium of claim 73 wherein the sending of the received address including sending an indication to cache the received network address for a certain amount of time.

83. (New) The computer-readable storage medium of claim 73 including sending to the dynamic address system authentication information along with the determined user identifier so that the dynamic address system can authenticate the computer system.

The following is an examiner's statement of reasons for allowance:

The prior art of record single or in combination failed to teach the combination of the invention as claimed in independent claims 1, 32, 73. For example it fail to teach determining a user identifier associated with the received domain name; sending to a dynamic address system the determined user identifier, the dynamic address system having a mapping from user identifiers to network addresses, each user identifier associated with a user, wherein the dynamic address system periodically receives an update for each user that comprises a current network address of a device through which the user is accessible and wherein upon receiving the update, the dynamic address system associates the received current network address with the user identifier associated with the user; which clearly support by the specification (see page 9-11). This feature in light of other features describes in the independent claims 1, 32, 73 enable claims' allowable.

The dependent claims further limit the independent claims and are considered allowable on the same basis as the independent claims as well as for the further limitations set forth.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number:
09/899,829
Art Unit: 2152

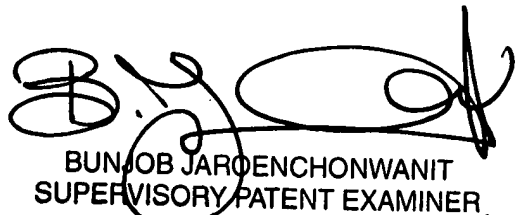
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duyen M. Doan whose telephone number is (571) 272-4226. The examiner can normally be reached on 9:30am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on (571) 272-3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Examiner
Duyen Doan
Art unit 2152


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SUPERVISORY PATENT EXAMINER
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